027

101-170 579-40

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filling is the patent application of

Inventor(s):

John 4. Chen

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s), 37 CFR 1.41(a) and 1.53(b). For (title):

ELASTIC CRYSTAL GELS

CERTIFICATION UNDER 37 CFR 1.10

(type of pright name of person mailing pager)

Signature of person mailing paper

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing, 37 CFR 1.10(b).

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 CFR 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

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CBSB3794 DSB375

3.

formal . informal



Type of Application
This new application is for a(n)
(check one applicable item below)
Original (nonprovisional)
¹ □ Design
☐ Plant
WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WARNING: Do not use this transmittal for the filing of a provisional application.
NOTE: If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
Divisional.
Continuation.
Continuation-in-part (C-I-P).
2. Benefit of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)
NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.
WARNING: When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).
The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
3. Papers Enclosed That Are Required for Filing Date under 37 CFR 1.53(b) (Regular) or 37 CFR 1.153 (Design) Application
Pages of specification
Pages of claims
Pages of Abstract
Sheets of drawing

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5.

WARNING: DO NOT conit original drawings. A high quality copy of the second be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84, Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page." 37 C.F.R. 1.84(c)).

	(complete the following, if applicable)		
	The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).		
Addit	ional papers enclosed		
	Preliminary Amendment		
	Information Disclosure Statement (37 CFR 1.98)		
	Form PTO-1449		
	Citations		
	Declaration of Biological Deposit		
	Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.		
	Authorization of Attorney(s) to Accept and Follow Instructions from Representative		
	Special Comments		
	Other		
Decla	ration or oath		
X	Enclosed		
•	Executed by		
•	(check all applicable boxes)		
	□ inventor(s).		
	legal representative of inventor(s). 37 CFR 1.42 or 1.43.		
	joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.		
	☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.		
	Not Enclosed.		
ARNING.	Where the filing is a completion in the U.S. of an International Application, but where a declaration		

Where the filing is a completion in the U.S. of an International Application, but where a declaration is not available, or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-inpart, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

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Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above named inventor(s).
(The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently).
NOTE: It is important that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).
Showing that the filing is authorized. (not required unless called into question, 37 CFR 1.41(d))
6. Inventorship Statement
WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The inventorship for all the claims in this application are:
The same.
or
Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
is submitted.
will be submitted.
7. Language
NOTE: An application including a signed oath or declaration may be filed in a language other than English. A verified English translation of the non-English language application and the processing fee of \$130.00 required by 37 CFR 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 CFR 1.52(d).
NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 CFR 1.69(b).
DA English
☐ Non-English
☐ The attached translation is a verified translation, 37 CFR 1.52(d).
S. Assignment
An assignment of the invention to
☐ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.
will follow.
NOTE: "If an assignment is submitted with a new application, send two seconds letters are for the
and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: A newly executed "CERTIFICATE UNDER 37 CFR 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

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9.	Certified	Сору
		VUP,

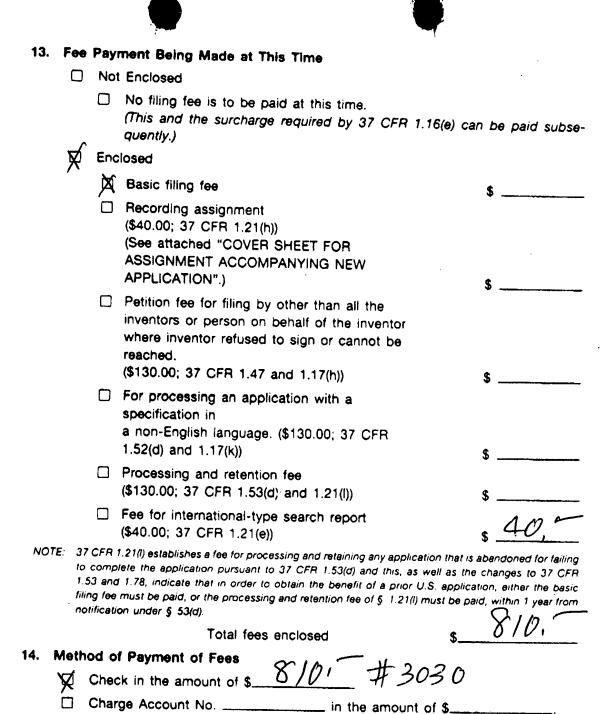
Certified copy(ies) of application(s)

country	appin. no.		filed
country	appin. no.		filed
country	appin. no.		filed
from which priority is claimed	Ł		,
is (are) attached.		<i>,</i> *-	
☐ will follow.			
NOTE: The foreign application for declaration, 37 CFR 1.556	ming the basis for the claim fo a) and 1.63.	or priority must be	referred to in the oath o
iro is listen entitled to but	n priority for which the applicational Application from which the ority from a prior foreign application TRANSMITTAL WHERE	is application clair ation, then comple	ns benefit under 35 U.S.C.
10. Fee Calculation (37 CF	R 1.16)		
A. Regular application	1		
	CLAIMS AS FILED		
Number filed	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) - \$750.00
Total Claims (37 CFR 1.16(c)) -	20 = 🗗 ×	\$ 22.00	
ndependent Claims (37 CFR 1.16(b)) -	3 = 0 ×	\$ 78.00	80,-
Multiple dependent claim(s), if any (37 CFR 1.16(d))	D_ +	\$250.00	
		\$250.00	
☐ Amendment cancel	lling extra claims enclose	rd.	
	g multiple-dependencies		
	s is not being paid at thi		
NOTE: If the fees for extra claims an	re not paid on filing they must be the time period set for response	paid or the claims	cancelled by amendment, I Trademark Office in any
	Filing Fee Calculation		s_770,

(Application Transmittal [4-1]—page 5 of 9)

В.		Design application (\$310.00—37 CFR 1.16(f))	
		Filing Fee Calculation	\$
C.			
		Filing fee calculation	\$
11.	Sma	all Entity Statement(s)	
		Verified Statement(s) that this is a filing by a small entity 1.27 is (are) attached.	under 37 CFR 1.9 and
WAI	RNING	G: "Status as a small entity in one application or patent does not affect an including applications or patents which are directly or indirectly depor patent in which the status has been established. A nonprovisional under 35 U.S.C. 119(e), 120, 121 or 365(c) of a prior application may filed in the prior application if the nonprovisional application includes statement in the prior application or includes a copy of the verified application if status as a small entity is still proper and desired." 37	endent upon the application I application claiming benefit I rely on a verified statement les a reference to a verified
	^	(complete the following, if applicable)	
	×	Status as a small entity was claimed in prior application OB / 8/9 6/15, filed on _3/17/9; is being claimed for this application under: 35 U.S.C. 119(e),	, from which benefit
		. ,,	
		and which status as a small entity is still proper and d	
Filing	Fee (☐ A copy of the verified statement in the prior applic Calculation (50% of A , B or C above)	s1701
NOTE		ny excess of the full fee paid will be refunded if a verified statement and ithin 2 months of the date of timely payment of a full fee. The two-monder § 1.136, 37 CFR 1.28(a).	d a refund request are filed th period is not extendable
12. F	gequ	uest for International-Type Search (37 CFR 1.104(d))	
		(complete, if applicable)	
	i	Please prepare an international-type search report for this when national examination on the merits takes place.	application at the time

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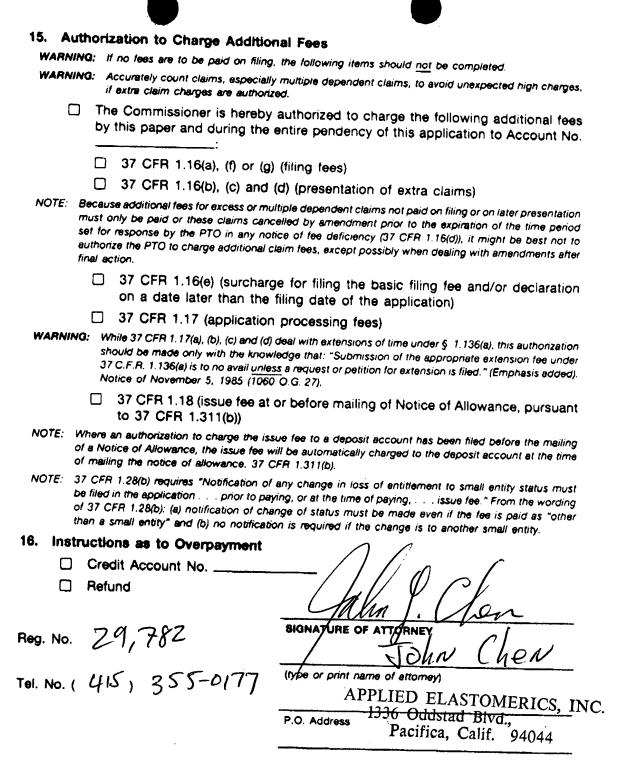


NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR

A duplicate of this transmittal is attached.

1.22(b).

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X	Inco	rporation by reference of added pages
		(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)
	X	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
		Number of pages added
		Plus Added Pages for Papers Referred to in Item 4 Above
		Number of pages added
		Plus "Assignment Cover Letter Accompanying New Application"
		Number of pages added
	State	ment Where No Further Pages Added
		(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item.)
		This transmittal ends with this page.

	•	
	026	•
Attorney's Docket No	00	

PATENT

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: "In order for an application to claim the benefit of a prior filed copending national application, the prior application must name as an inventor at least one inventor named in the later filed application and disclose the named inventor's invention claimed in at least one claim of the later filed application in the manner provided by the first paragraph of 35 U.S.C. 112." 37 CFR 1.78(a).

NOTE: "In addition the prior application must be (1) complete as set forth in § 1.51, or (2) entitled to a filing date as set forth in § 1.53(b) and include the basic filing fee set forth in § 1.16; or (3) entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(d)," 37 CFR 1.78(a).

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

A. 35 (Amend the specification by inserting, before the first line, J.S.C. 119(e)	the following sentence
	"Any nonprovisional application claiming the benefit of one or more pricapplications must contain or be amended to contain in the first sentence the title a reference to each such prior provisional application, identifying and including the provisional application number (consisting of series code § 1.78(a)(4).	of the specification following
	"This application claims the benefit of U.S. Provisional	Application(s) No(s).:
APPLICA	ATION NO(S).:	FILING DATE
	/	p
	/	
	/	"

Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.1]—page 1 of 5)

B. 35 U.S.C. 120, 121 and 365(c)

	"Any nonprovisional application claiming applications or international applications amended to contain in the first sentence prior application, identifying it by application international application number and applications. Cross-references to other § 1.14(b))." 37 C.F.R. § 1.78(2).	designating the United State of the specification following tion number (consisting of th	is of America must contain or be the title a reference to each such e series code and serial number)
×	"This application is a	•	
	continuation		
		•	
	☐ divisional		
of	copending application(s)		
	application number 0 /	filed on	n
	International Application		
		and which designated t	
NOTE: (The proper reference to a prior filed PCT erial number and the filing date of the F1) Where the application being transmitted the filing can be as a continuation-in-part and be as a continuation.	CI application that designal ed adds subject matter to the	led the U.S.
	"The nonprovisional application	n designated above, na	amely application
	Provisional Application(s) No(s)	filedcla	ims the benefit of U.S.
APPLICA	TION NO(S):: See A	17Achod	FILING DATE
/.		-	7
/			
NOTE: T	ne deadline for entering the national and		

NOTE: The deadline for entering the national phase in the U.S. for an international application was clarified in the Notice of April 28, 1987 (1079 O.G. 32 to 46) as follows:

"The Patent and Trademark Office considers the International application to be pending until the 22nd month from the priority date if the United States has been designated and no Demand for International Preliminary Examination has been filled prior to the expiration of the 19th month from the priority date and until the 32nd month from the priority date if a Demand for International Preliminary Examination which elected the United States of America has been filled prior to the expiration of the 19th month from the priority date, provided that a copy of the international application has been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively. If a copy of the international application has not been communicated to the Patent and Trademark Office within the 20 or 30 month peniod respectively, the international application becomes abandoned as to the United States 20 or 30 months from the priority date respectively. These periods have been placed in the rules as paragraph (h) of § 1.494 and paragraph (i) of § 1.495. A continuing application under 35 U.S.C. 365(c) and 120 may be filed anytime during the pendency of the international application."



18. Relate Back-35 U.S.C. 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows:

		country	appin. no.	filed on
Tł	1 0 C6	ertified copy(ies) has (have)		
				/, which was
		is (are) attached.		
WA	ARNIN	the International Bureau may rapplication in the continuing application communicated by a U.S. serial number unless the stage is not entered. Therefore prosecution of a continuing a documents from the folders and to request transfer, retrieve the enter and make a record of su	of be relied on without any neignation. This is so becar the International Bureau is provided in a such certified copies may oplication. An alternative would transfer them to the continuity folders, make suitable recording to copies in the Continuing Alfers of international application.	e been communicated to the PTO by led to file a certified copy of the priority ause the certified copy of the priority placed in a folder and is not assigned the folders are disposed of if the national not be available if needed later in the lid be to physically remove the priority ing application. The resources required notations, transfer the certified copies, opplication are substantial. Accordingly, ins that have not entered the national D.O.G. 32 to 46).
19.	Ma	Intenance of Copender		
NO	TE: 1	The PTO finds it useful if a copy of	of the petition filed in the pri	or application extending the term for a continuation application. Notice of
A.		Extension of time in prior	application	
	(Thi	s item must be completed if the period set	and the papers filed in in the prior application	the prior application, has run.)
		A petition, fee and responuntil	se extends the term in	the pending prior application
		☐ A copy of the petition	n filed in prior applicati	on is attached.
B.		Conditional Petition for Ex		
		(complete this iter	m, if previous item not a	applicable)
		A conditional petition for application.	extension of time is be	ing filed in the pending prior
		☐ A copy of the condition	onal petition filed in the	prior application is attached.

Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.1]—page 3 of 5)

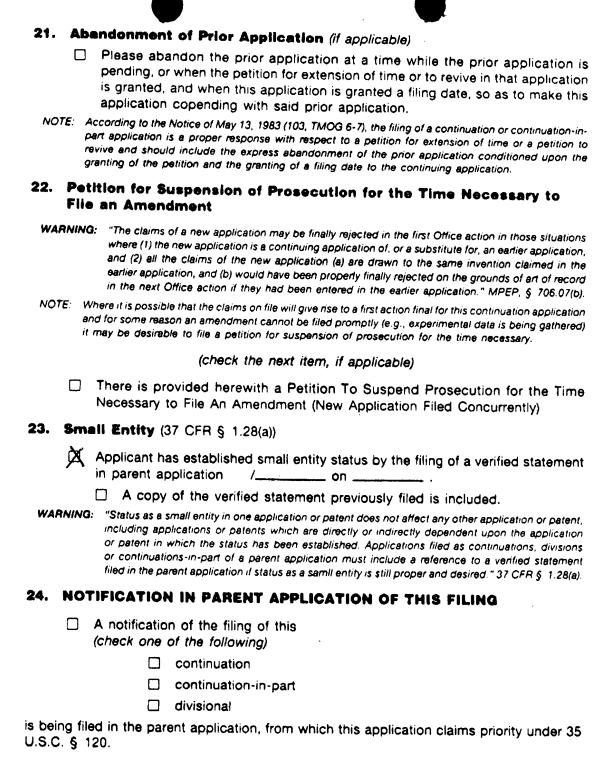


NOTE: "If the continuation, continuation-in-part, or divisional application is filed by less than all the inventors named in the prior application a statement **must** accompany the application when filed requesting deletion of the names of the person or persons who are not inventors of the invention being claimed in the continuation, continuation-in-part, or divisional application." 37 CFR 1.62(a) [emphasis added]. (dealing with the file wrapper continuation situation).

NOTE: "In the case of a continuation-in-part application which adds and claims additional disclosure by amendment, an oath or declaration as required by § 1.63 must be filed. In those situations where a new oath or declaration is required due to additional subject matter being claimed, additional inventors may be named in the continuing application. In a continuation or divisional application which discloses and claims only subject matter disclosed in a prior application, no additional oath or declaration is required and the application must name as inventors the same or less than all the inventors in the prior application." 37 CFR 1.60(c) (dealing with the continuation situation).

(complete applicable item (a), (b) and/or (c) below)

	apt	s application discloses and claims only subject matter disclosed in the prior plication whose particulars are set out above and the inventor(s) in this plication are
		the same.
		less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:
		(type name(s) of inventor(s) to be deleted)
	arn	s application discloses and claims additional disclosure by amendment and ew declaration or oath is being filed. With respect to the prior application, inventor(s) in this application are
		the same.
		the following additional inventor(s) have been added:
		(type name(s) of inventor(s) to be added)
	The	inventorship for all the claims in this application are
•		the same.
		not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made is submitted. will be submitted.
		This a not the



Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

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